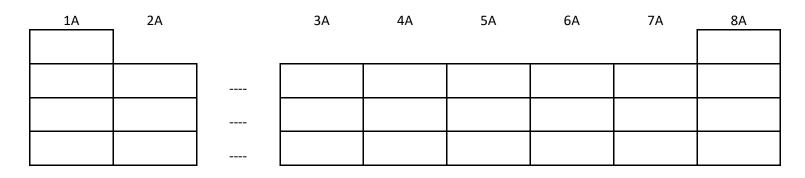
A Periodic Table Logic Problem

Procedure:

- Enter the letters from the clues in the corresponding elements place on the periodic table.
- Every letter below goes in one of the boxes below. Only use one letter once and the letter will not be the same as the element symbol.
- Some clues may seem like more than one answer. You may have to skip and answer the ones you are sure about.



Clues:

- A This element has been placed inside public drinking water to help fight tooth decay
- **B** Has one electron in a 3*p* orbital
- C Has five electrons in the second energy level (second row)
- **D** Its most abundant isotope has a mass of 9
- **E** Is in the 7A (or 17^{th}) column shown above
- ${\bf F} \quad Electronic \ configuration \ is \ 1s^2 \ 2s^2 \ 2p^6 \ 3s^2 \ 3p^3$
- G This element makes up approximately 21% of the Earth's atmosphere when in a molecule
- **H** This neutral element has 20 electrons
- I Is in the Alkali Metal family (look on your chart)
- J This element has all its electrons paired up in its orbital (boxes)
- **K** This nonmetal is in the 5A (or 15th) column shown above
- L This metal in the 1A (or 1st) column has the greatest atomic mass
- M This element has 22 neutron on its most abundant isotope
- N Has the smallest atomic mass in its column or family
- **O** The first element with an electron in the second energy level (second row)
- **P** The only element without a need for a neutron
- **Q** Has eight fewer protons than clue #H
- **R** What makes Superman cry
- S This element has 31 protons
- T This element was founded in Germany
- U Has 16 electrons on this neutral atom
- V Atomic number is 34
- W This element is exactly like English class (it just so _____) hint: this is a pun.
- **X** This element has an average atomic mass of 79.904
- Y Has 4 valence electrons
- Z What gas do you fill balloons with?